APPENDIX E

LIGHT POLE BASES

Corps of Engineers   Department of the Army

```
                    |←——— 14" ———→|           |←—→| 7"
                    ┌─────────────┐           ┌──┬──┐
                    │ •         • │  ↑        │  │  │
                    │             │  │ 7"     │  │  │
                    │             │  │        │  │  │
                    │ •         • │  ↓        │  │  │
                    └─────────────┘           └──┴──┘
                      FRONT VIEW               SIDE VIEW

                    ╭─────────────╮
                    │  ┌───────┐  │
                    │  │       │  │
                    │  └───────┘  │
                    │      ◦      │
                    ╰─────────────╯
                      BOTTOM VIEW
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Features
Reflectors: High reflectance
Diffuser: Tempered glass
Ballast: Programmed rapid
            start electronic
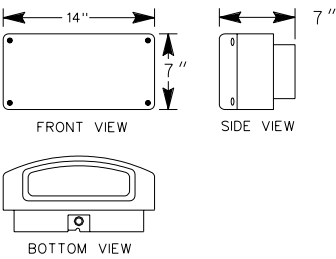
Options
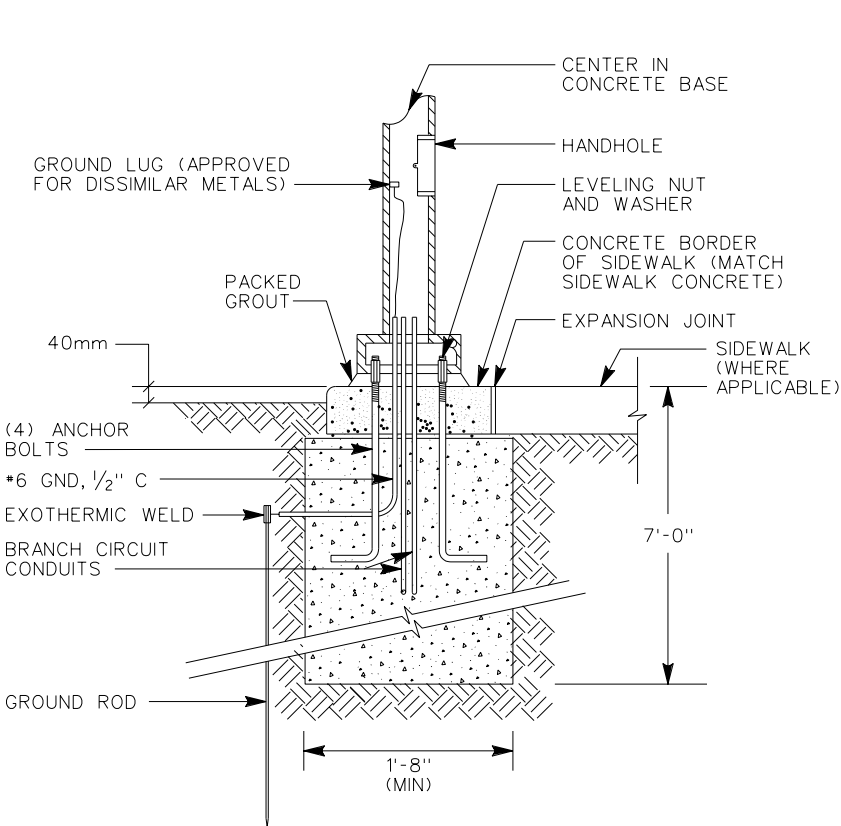Other: ETL listed for wet loations;

Nom. dimensions: As indicated above

General description
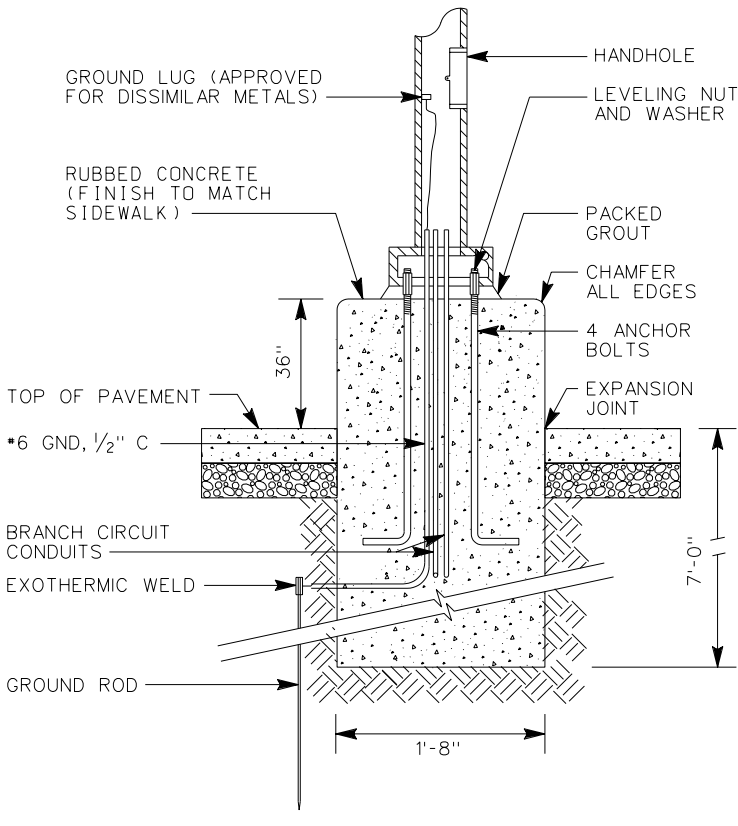Housing: Cast aluminum housing

Finish: All exposed metal shall be textured TGIC
            thermoset polyester powder coat finish over
            chemically pretreated surface

Surface Mounted Compact Fluorescent
Down-Light Fixture

BASE (FLUSH WITH GRADE)

BASE (ABOVE GRADE)

Foundation Notes:

1. Galvanized anchor bolts shall be pre-fabricated and furnished by the pole/bollard manufacturer.
The anchor base shall be leveled prior to installation of the shaft. Anchor bolts shall be coordinated
with and tied to the reinforcing steel structure of the base. Anchor bolts shall be no less than
3/8 " x 10" + 2" for bollards and 1" x 36" + 4" for poles.

2. The base shall have a cast aluminum anchor bolt cover secured to the base by stainless steel screws
that have to be drilled to be removed.

3. Poles and foundations shall withstand steady winds of 90 miles per hour when fixtures are mounted
to pole. Provide a drainage channel through grout at pole base.

4. The foundation shall be reinforced with steel reinforcing wire coiled just outside of the anchor bolt
circle.

5. The foundation shall be reinforced with eight 96" x 1/2 " steel reinforcement rods. Two rods shall be
tied to each anchor bolt, overlapping 24" and extending to 6" above the foundation bottom.

6. The upper base shall be formed with a 1'-8" sonotube extending 10" below the ground line (minimum).
The sonotube shall be removed after seven days and the spiral marks shall be rubbed off with sandstone.

7. Tamped soil shall be composed of sand and gravel, hard clay, compacted loam or compacted coarse
sand.

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